**Abstract**

In this work we made a study about so many people dying while working with heavy machinery.

According to international labor organization every year more than 2.3 million people die while working with heavy machinery. In this paper to overcome this serious issue, we have developed a system is called as “motion controller” which sometimes is also referred as Mo-cap. A “motion controller” device is input device which takes input from real world in the form of physical, electrical or visual format by using appropriate sensors.

This model will act as a controller to that particular heavy-duty machine.

When any changes made in the scale model, the sensor on scale model will note those changes, and generate an appropriate value for that change as well as give this value as input to heavy Machine.

That means any change made in scale model will made change in heavy machine. This means Heavy machine will imitate the motion of scale model. This scale model will act as a controller via wired or wireless Communication medium.

For demonstrating our above idea, we are using robotic arm, which is going to control by its Corresponding Scale model.